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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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09/224,913 01/04/99 VALLEN J PHN-16.749

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INTELLECTUAL PROPERTY DEPARTMENT
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TARRYTOWN NY 10591

MMC2/0329

EXAMINER

NGUYEN, T

ART UNIT

PAPER NUMBER

2832

DATE MAILED:

03/29/00

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action Summary

Application No.
09/224,913

Applicant(s)
Vallen

Examiner
Tuyen T. Nguyen

Group Art Unit
2832



☐ Responsive to communication(s) filed on _____

☐ This action is **FINAL**.

☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 3 month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Disposition of Claims

☒ Claim(s) 1-4 is/are pending in the application.

Of the above, claim(s) _____ is/are withdrawn from consideration.

☐ Claim(s) _____ is/are allowed.

☒ Claim(s) 1-4 is/are rejected.

☐ Claim(s) _____ is/are objected to.

☐ Claims _____ are subject to restriction or election requirement.

Application Papers

☐ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

☒ The drawing(s) filed on Jan 4, 1999 is/are objected to by the Examiner.

☐ The proposed drawing correction, filed on _____ is ☐ approved ☐ disapproved.

☒ The specification is objected to by the Examiner.

☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

☒ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☒ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been
☒ received.

☐ received in Application No. (Series Code/Serial Number) _____

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

☒ Notice of References Cited, PTO-892

☒ Information Disclosure Statement(s), PTO-1449, Paper No(s). 2 and 6

☐ Interview Summary, PTO-413

☐ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

--- SEE OFFICE ACTION ON THE FOLLOWING PAGES ---

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DETAILED ACTION

Priority

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Specification

2. The abstract of the disclosure is objected to because the abstract must be in a single paragraph form. Correction is required. See MPEP § 608.01(b).

Drawings

3. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the electric coil with coil windings must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Claim Rejections - 35 USC § 112

4. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

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5. Claims 2 rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Regarding claim 2, in lines 2-3, applicant states that “the cover also forms *an external insulation of said connection member*”. Applicant should clarify the external insulation structure relative to the connection member.

Claim Rejections - 35 USC § 102

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

7. Claims 1 and 3 are rejected under 35 U.S.C. 102(b) as being anticipated by Witchger [US 4,291,292].

Witchger discloses an electric coil assembly comprising:

- a bobbin [see figure 1] having flanges [13, 14];
- coil windings [12] wound about the bobbin;
- a magnetic core [see figure 1] disposed within said bobbin; and
- a separate insulating synthetic resin cover [31], which is in one piece and which, in co-operation with the bobbin, encloses the coil windings, wherein said cover having end portions which are connected to each other [see figure s 10-12].

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Claim Rejections - 35 USC § 103

8. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

9. Claim 2 is rejected under 35 U.S.C. 103(a) as being unpatentable over Witchger in view of Sugiura et al. [US 5,153,550].

Witchger discloses the instant claimed invention except for the bobbin having connection member [or terminal pin] and the insulating cover including an external insulation member.

Sugiura et al. discloses a coil assembly comprising:

- a coil [17] wound about a bobbin [11] having flanges [11a] and terminal holder [12]
- a connection member [15] disposed within said terminal holder;
- a bobbin cover [20] with an external insulation member [21] cover the connection member.

It would have been obvious to one having ordinary skill in the art at the time the invention was made to include connection member for the bobbin of Witchger and an external insulation member for the cover, as taught by Sugiura et al., for the purpose of protecting the connection member.

10. Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over Witchger in view of Leach et al. [US 4,363,014].

Witchger discloses the instant claimed invention except for the end portions of the cover are interconnection by means of a snap connection.

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Leach et al. discloses a snap connection means [66] for a bobbin cover [14].

It would have been obvious to one having ordinary skill in the art at the time the invention was made to include a snap connection means for the end portions of the cover of Witchger, as taught by Leach et al., for the purpose of easily assemble and dis-assembly the bobbin cover to the bobbin.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.


- Tochio et al. [US 4,988,968; Burton et al. [US 4,916,363]; Yatsushiro et al. [US 4,424,505]; Donnelly [US 3,939,450]; Henderson [US 2,902,661]; and Goad [US 1,797,768].

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Tuyen T. Nguyen whose telephone number is (703) 308-0821.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Michael Gellner, can be reached at (703)308-1721. The fax number for this Group is (703)305-1341.

Any inquiry of a general nature or relating to the status of this application of proceeding should be directed to the Group receptionist whose telephone number is (703)308-0956.

TTN TTN
Art Unit 2832
March 24, 2000


Michael L. Gellner
Supervising Patent Examiner
Technology Center 2800